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"Information for Authors"—A complete guide to manuscript submission and journal style is available on request and also appears in January and July.

Author Responsibility—Authors are responsible for all statements, conclusions and methods of presenting subjects. These may or may not be in harmony with the views of the editorial staff. The aim is to permit as wide a latitude as the general policy of the journal and the demands on space may permit. The right to reduce, revise or reject any manuscript is always reserved. Articles are accepted on condition that they are contributed solely to this journal.

Manuscripts—Ordinarily manuscripts should not exceed 3,000 words (less than 15 typed double-spaced pages). The original manuscript and two copies should be submitted, typed double-spaced throughout. If photographic illustrations are desired, three sets of clear, unmounted black and white glossy prints should be supplied. For line drawings, original artwork or glossy prints are acceptable. Tables should be typed on separate sheets of paper.

Clinical Investigation—Papers that authors wish considered for the Clinical Investigation section should be so designated in the transmittal letter.

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ALLERGY AND IMMUNOLOGY

October 4-6—**Allergy/Immunology.** UCSF. Thursday-Saturday.

October 15-18—**Rheumatology, Allergy, Clinical Immunology: An Advanced Course.** UCSF at Hotel Meridien, San Francisco. Monday-Thursday. \$375.

October 20—**Allergy Update—A Clinical Symposium.** Allergy Foundation of Northern California, Allergy Association of Northern California and the California Society of Allergy at Holiday Inn Union Square, San Francisco. Saturday. Contact: Dr. Chester Trossman, 500 E. Remington Dr., Sunnyvale 94087. (408) 730-0812.

October 24-28—**American Association for Clinical Immunology and Allergy Meeting** at San Diego. Wednesday-Sunday. Contact: Howard S. Silber, Exec. Dir., PO Box 912-DTS, Omaha, NE 68101. (402) 551-0801.

October 25-28—**Allergy, Immunology and Infectious Disease.** Symposium Maui, Inc. and Hawaii Chapter American Academy of Family Physicians at Maui Marriott, Kaanapali, Maui. Thursday-Sunday. 18 hrs. Contact: Joe Harrison, MD, Symposium Maui, Inc., PO Box 10185, Lahaina, Maui, HI 96761. (808) 661-8032.

ANESTHESIOLOGY

August 17-21—**Clinical Neuroanesthesia Conference.** UCSD at InterContinental Hotel, San Diego. Friday-Tuesday. 22 hrs.

September 28-30—**Anesthesia Practice 1984.** Anesthesiology Education Foundation at Monterey. Friday-Sunday. 10½ hrs. Contact: AEF, PO Box 24230, Federal Bldg., Los Angeles 90024.

CANCER

June 15—**Cancer Precursors of the Cervix, Vagina and Vulva: An Overview of Pathogenesis and Management.** UCD at Red Lion Inn, Sacramento. Friday.

June 22—**One Day Colon Cancer Screening and Flexible Sigmoidoscopy Workshop.** Continuing

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KEY TO ABBREVIATIONS

- CMA:** California Medical Association
Contact: Continuing Medical Education, California Medical Association, 44 Gough Street, San Francisco 94103. (415) 863-5522.
- DREW:** Charles R. Drew Postgraduate Medical School
Contact: Flora Harlee-Cordett, MS, MPH, Office of Continuing Education, Charles R. Drew Postgraduate Medical School, 1621 East 120th Street, Los Angeles 90059. (213) 603-3183.
- LLU:** Loma Linda University
Contact: Varner J. Johns, Jr., MD, Associate Dean for Continuing Medical Education, Loma Linda University School of Medicine, Loma Linda 92354. (714) 796-7311, ext. 2400.
- PMC:** Pacific Medical Center
Contact: Continuing Education, Pacific Medical Center, PO Box 7999, San Francisco 94120. (415) 563-4321, ext. 2761.
- STAN:** Stanford University
Contact: Edward Rubenstein, MD, Associate Dean for Postgraduate Education, Stanford University School of Medicine, 300 Pasteur Drive, Stanford 94305. (415) 497-5594.
- UCD:** University of California, Davis
Contact: Ruth Feryok, Director, Office of Continuing Medical Education, University of California, Davis, School of Medicine, Davis 95616. (916) 752-0328.
- UCI:** University of California, Irvine
Contact: E. R. Jennings, MD, Assistant Dean, University of California, Irvine, California College of Medicine, c/o UCI/CME Program, Memorial Hospital Medical Center, 2801 Atlantic Ave., Long Beach 90801. (213) 595-3837, or (714) 856-5414, UCI Extension.
- UCLA:** University of California, Los Angeles
Contact: Martin D. Shickman, MD, Director, Continuing Education in Medicine and the Health Sciences, PO Box 24902, UCLA, Los Angeles 90024. (213) 825-7241.
- UCSD:** University of California, San Diego
Contact: Office of Continuing Medical Education, University of California, San Diego, School of Medicine (M-017), La Jolla 92093. (619) 452-3940.
- UCSF:** University of California, San Francisco
Contact: David S. Gullion, MD, Director, Extended Programs in Medical Education, School of Medicine, University of California, San Francisco 94143. (415) 666-4251.
- USC:** University of Southern California
Contact: Phil R. Manning, MD, Associate Dean, Postgraduate Division, University of Southern California School of Medicine, 2025 Zonal Avenue, Los Angeles 90033. (213) 224-7051.

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Medical Education Associates at Holiday Inn Union Square, San Francisco. Friday. 7 hrs. \$135. Contact: J. Shiller, CMEA, PO Box 94296, San Diego 92138. (619) 223-2997.

June 24—**One Day Colon Cancer Screening and Flexible Sigmoidoscopy Workshop.** Continuing Medical Education Associates at Grand Hotel, Anaheim. Sunday. 7 hrs. \$135. Contact: J. Shiller, CMEA, PO Box 84296, San Diego 92138. (619) 223-2997.

October 18-20—**8th Annual Cancer Symposium.** Scripps Memorial Hospital at Sheraton Harbor Island Hotel, San Diego. Thursday-Saturday. \$300. Contact: Nomi Feldman, Conference Coord., 3770 Tansy, San Diego 92121. (619) 453-6222.

CARDIOLOGY

June 20—**Coronary Artery Disease Symposium.** UCLA at Beverly Hilton Hotel, Beverly Hills. Wednesday. 7 hrs.

June 22-24—**ECG Interpretation, Arrhythmia Management, and Cardiac Rehabilitation.** International Medical Education Corporation at Lake Tahoe. Friday-Sunday. 13 hrs. \$285. Contact: IMEC, 64 Inverness Dr. E., Englewood, CO 80112. (800) 525-8651.

June 22-24—**Whitewater Raft Conference: Update on Cardiac Drugs and CPR.** Mercy Medical Center at Scott and Klamath Rivers. Friday-Sunday. 10 hrs. \$295. Contact: Mercy Medical Center, Dept. of Cont. Ed., PO Box 6009, Redding 96099-6009. (916) 243-2121.

June 25-27—**Cardiac Morphology: Echocardiographic, Nuclear Imaging, Necropsy Correlations.** American College of Cardiology and Indiana University School of Medicine at Hyatt Lake Tahoe, Incline Village. Monday-Wednesday. Contact: Reg. Sec., Extramural Programs Dept., ACC, 911 Old Georgetown Rd., Bethesda, MD 20814.

June 25-29—**National Board Review Course in Pulmonary Medicine.** American College of Chest Physicians at Sheraton Palace Hotel, San Francisco. Monday-Friday. 28 hrs. Contact: Dept. of Ed., ACCP, 911 Busse Hwy, Park Ridge, IL 60068. (312) 698-2200.

July 7-14—**Cardiovascular Medicine and Surgery**

and Critical Care Medicine. STAN at Mauna Kea Beach Hotel, Kamuela. One week.

July 11—**Pulmonary and Intensive Care Medicine-Pulmonary Infections.** LLU. Wednesday.

August 12-17—**Current Concepts in Cardiology.** UCD at Hyatt Lake Tahoe, Incline Village. Sunday-Friday.

August 17-19—**Whitewater Raft Conference: Update on Cardiac Drugs and CPR.** Mercy Medical Center at Klamath River. Friday-Sunday. 10 hrs. \$295. Contact: Mercy Medical Center, Dept. of Cont. Ed., PO Box 6009, Redding 96099-6009. (916) 243-2121.

August 24-26—**Cardiovascular Disease: Non-Invasive Diagnostic Methods (Stress and Holter) and Cardiac Resuscitation.** International Medical Education Corporation at Monterey. Friday-Sunday. \$285. Contact: IMEC, 64 Inverness Dr. E., Englewood, CO 80112. (800) 525-8651.

September 14-16—**ECG Interpretation, Arrhythmia, and Cardiac Rehabilitation.** International Medical Education Corporation at Las Vegas. Friday-Sunday. 13 hrs. \$285. Contact: IMEC, 64 Inverness Dr. E., Englewood, CO 80112. (800) 525-8651.

September 15-22—**Hawaiian Echocardiography Course.** Institute for Medical Studies at Hawaiian Islands. One week. 20 hrs. \$295. Contact: IMS, 14761 Franklin Ave., Ste. A, Tustin 92680. (714) 832-2650.

September 20-22—**Recent Advances in Pulmonary and Critical Care Medicine.** UCSF at Meridien Hotel, San Francisco. Thursday-Saturday.

October 7-10—**Cardiology Course.** UCSF at Yosemite. Sunday-Wednesday.

October 11-13—**Cardiology Update—1984.** ACC at Hyatt Del Monte Hotel, Monterey. Thursday-Saturday.

October 15-19—**Pulmonary Medicine Review 1984.** USC. Monday-Friday. \$450.

October 26-28—**ECG Interpretation, Arrhythmia Management, and Cardiac Rehabilitation.** International Medical Education Corporation at San Francisco. Friday-Sunday. 13 hrs. Contact: IMEC, 64 Inverness Dr. E., Englewood, CO 80112. (800) 525-8651.

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EMERGENCY MEDICINE

June 25-29—Topics in Emergency Medicine. UCSF at Sheraton Wharf, San Francisco. Monday-Friday. \$425.

July 4-5—Whitewater Raft Conference: Wilderness Emergency Care. Mercy Medical Center at Salmon River. Wednesday-Thursday. 10 hrs. \$245. Contact: Mercy Medical Center, Dept. of Cont. Ed., PO Box 6009, Redding 96099-6009. (916) 243-2121.

July 6-8—Trauma and CPR Update—Whitewater Raft Conference. Mercy Medical Center, Redding at Klamath and Salmon Rivers. Friday-Sunday. 10 hrs. \$295. Contact: Jerry Fikes, RN, Mercy Hospital, PO Box 6009, Redding 96099.

July 10-13—Emergency Medicine: A Critical Appraisal. California Chapter American College Emergency Physicians and Emergency Medical Associates at Ramada Inn at Fisherman's Wharf, San Francisco. Tuesday-Friday. 20 hrs. \$360. Contact: Seminars International, Dept. A, 15910 Ventura Blvd., Ste. 731, Encino 91436.

July 16-20—Postgraduate Institute for Emergency Physicians. UCSD. Monday-Friday. 33 hrs.

July 30-31—Advanced Cardiac Life Support. Emergency Care Education Center, Emergency Department Physicians, and Greater Los Angeles Affiliate American Heart Association at Queen Mary, Long Beach. Monday-Tuesday. 16 hrs. \$225. Contact: ECEC-ACLS, 4640 Admiralty Way, Ste. 508, Marina Del Rey 90291. (213) 822-1312.

August 3-5—Whitewater Raft Conference: Trauma Evaluation and Treatment. Mercy Medical Center at Klamath River. Friday-Sunday. 10 hrs. \$295. Contact: Mercy Medical Center, Dept. of Cont. Ed., PO Box 6009, Redding 96099-6009. (916) 243-2121.

August 22-24—Ambulatory Surgery and Hysteroscopy. American College of Obstetrics and Gynecology at Hotel del Coronado, Coronado. Wednesday-Friday. Contact: ACOG Reg., Ste. 300 E, 600 Maryland Ave., SW, Washington, DC 20024.

August 24-26—Wilderness Emergency Care—Mt.

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presents

Pulmonary Medicine Review 1984

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Major emphasis will be on newer concepts of pathogenesis, pathophysiological alterations, immunologic derangements, diagnosis and therapy.

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Shasta Summit Expedition. Mercy Medical Center, Redding at Mt. Shasta. Friday-Sunday. 10 hrs. \$350. Contact: Jerry Fikes, RN, Mercy Hospital, PO Box 6009, Redding 96099.

August 27-31—Topics in Emergency Medicine. UCSF at San Francisco. Monday-Friday. \$425.

September 1-3—Whitewater Raft Conference: Wilderness Emergency Care. Mercy Medical Center at Klamath River. Saturday-Monday. 10 hrs. \$295. Contact: Mercy Medical Center, Dept. of Cont. Ed., PO Box 6009, Redding 96099-6009. (916) 243-2121.

September 6-7—Burns: Emergency and Acute Care. UCD at Capitol Plaza Holiday Inn, Sacramento. Thursday-Friday.

September 17-21—Postgraduate Institute for E.R. Physicians, Symposium I. UCSD at InterContinental Hotel, San Diego. Monday-Friday. 36 hrs.

September 28-29—Advanced Trauma Life Support Provider Course. Emergency Shock Trauma Institute, Mercy Hospital at San Diego. Friday-Saturday. 16 hrs. \$475. Contact: Emergency Shock Trauma Institute, Mercy Hospital, 4077 5th Ave., San Diego 92103. (619) 294-8111.

October 29-30—Advanced Cardiac Life Support. Emergency Care Education Center Inc., Emergency Department Physicians Inc., and Greater Los Angeles Affiliate American Heart Association at Queen Mary, Long Beach. Monday-Tuesday. 16 hrs. \$225. Contact: ECEC-ACLS, 4640 Admiralty Way, Ste. 508, Marina del Rey 90291. (213) 822-1312.

October 31-November 2—EMS Today. UCSD at Holiday Inn at the Embarcadero, San Diego. Wednesday-Friday. 19 hrs.

INTERNAL MEDICINE

June 18-22—Advances in Internal Medicine. UCSF. Monday-Friday. \$465.

June 22-24—Update on Cardiovascular Drugs—Whitewater Raft Conference. Mercy Medical Center, Redding at Klamath and Salmon Rivers. Friday-Sunday. 10 hrs. \$295. Contact: Jerry Fikes, RN, Mercy Hospital, PO Box 6009, Redding 96099.

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July 7-14—**32nd Annual Intensive Review of Internal Medicine.** USC. One week. \$475.

July 20-22—**Infectious Disease.** Mercy Medical Center, Redding at Klamath and Salmon Rivers. Friday-Sunday. \$295. Contact: Jerry Fikes, RN, Mercy Hospital, PO Box 6009, Redding 96099.

July 29-August 1—**Biomedical Ethics—Wilderness Horseback Conference.** Mercy Medical Center, Redding at Trinity Alps Wilderness. Sunday-Wednesday. 10 hrs. \$350. Contact: Jerry Fikes, RN, Mercy Hospital, PO Box 6009, Redding 96099.

August 17-19—**2nd Annual La Jolla Summer Conference on Dermatology, Immunology and Rheumatology.** Scripps Clinic and Research Foundation at La Jolla Museum of Contemporary Art, La Jolla. Friday-Sunday. Contact: Dianne Tissue, Scripps Clinic and Research Foundation, 10666 N. Torrey Pines Rd., La Jolla 92037. (619) 457-8556.

August 19-24—**New Advances in Internal Medicine.** UCD at Hyatt Del Monte, Monterey. Sunday-Friday.

September 1-2—**Thyroid Today—1984: 3rd Annual Symposium.** See Of Interest to All Physicians, September 1-2.

September 10-15—**6th Comprehensive Nephrology Review Course.** UCLA at Century Plaza Hotel, Los Angeles. Monday-Saturday. 38.5 hrs. \$695.

September 15—**Neurology.** UCSF at Fresno. Saturday.

September 16-20—**American Academy of Otolaryngology Annual Meeting** at Las Vegas. Sunday-Thursday. Contact: L. Douglas Cox, Dir. Meetings/Expeditions, 1101 Vermont Ave., NW, Ste. 302, Washington, DC 20005. (202) 289-4607.

September 19—**Common Musculoskeletal Problems.** Veterans Administration Medical Center, Sepulveda. Wednesday. Contact: Charles R. Beeson, MD, Assoc. Chief of Staff for Ed., VA Medical Center, 16111 Plummer St., Sepulveda 91343. (818) 891-2374.

October 15-18—**Rheumatology, Allergy, Clinical Immunology: An Advanced Course.** See Allergy and Immunology, October 15-18.

October 17—**Diabetes—1984.** The Hospital of

the Good Samaritan at Hyatt Regency Hotel Los Angeles, Los Angeles. Wednesday. Contact: Dolores Gay, Coordinator of Symposia, 616 South Witmer St., Los Angeles 90017. (213) 977-2352.

OBSTETRICS AND GYNECOLOGY

June 15—**Cancer Precursors of the Cervix, Vagina and Vulva: An Overview of Pathogenesis and Management.** See Cancer, June 15.

June 21-23—**Gynecologic Surgery: Principles and Techniques.** See Surgery, June 21-23.

August 9-11—**Basic and Advanced Colposcopy.** American College of Obstetrics and Gynecology at Fairmont Hotel, San Francisco. Thursday-Saturday. 16 hrs. Contact: ACOG Reg., Ste. 300 E, 600 Maryland Ave., SW, Washington, DC 20024.

August 22-24—**Ambulatory Surgery and Hysteroscopy.** See Emergency Medicine, August 22-24.

September 12—**OB/GYN—Menstrual Disorders.** LLU. Wednesday.

October 6—**Clinical Ultrasound—OB/GYN Update.** Sacramento Radiology Research and Education Foundation and the Northern California Radiology Society. Saturday. \$75. Contact: J. P. McGahan, MD, Program Director, Sacramento Radiology Research and Education Foundation, PO Box 19184, Sacramento 95819.

October 7-9—**The Neural and Metabolic Bases of Feeding.** See Pediatrics, October 7-9.

October 22-27—**Review Course in Obstetrics and Gynecology and/or Gynecologic Histopathology.** UCI. Monday-Saturday.

OPHTHALMOLOGY

June 29-30—**Pediatric Ophthalmology for the Pediatrician and Primary Care Physician.** See Pediatrics, June 29-30.

July 14—**Update for Nonophthalmologists: Ocu-**

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*(Continued from Page 868)***Iar Complications in Syphilis, AIDS and Other Inflammatory Diseases.** JSEI. Saturday.**July 26-27—Ophthalmology Symposium.** UCI. Thursday-Friday.**August 25—Neodymium: YAG Laser Workshop.** JSEI. Saturday.**October 10—Ophthalmology-Therapeutic Decision re: Glaucoma, Retinopathy and Cataracts.** LLU. Wednesday.**October 11-13—Cosmetic Blepharoplasty Workshop.** JSEI. Thursday-Saturday.**October 20—Update for Nonophthalmologists: Ocular Diseases of Aging.** JSEI. Saturday.**PEDIATRICS****June 28-30—9th Annual Meeting of the Society for Pediatric Dermatology.** STAN at Caesar's Tahoe, Lake Tahoe. Thursday-Saturday.**June 29-30—Pediatric Ophthalmology for the Pediatrician and Primary Care Physician.** UCSD at Vacation Village, San Diego. Friday-Saturday. 8 hrs. \$100.**October 3-4—41st Annual Brenneman Memorial Lectures.** Los Angeles Pediatric Society at Los Angeles. Wednesday-Thursday. Contact: Eve Black, Exec. Sec., PO Box 2022, Inglewood 90305. (213) 757-1198.**October 7-9—The Neural and Metabolic Bases of Feeding.** UCD at Red Lion Motor Inn, Sacramento. Sunday-Tuesday.**October 26-27—Adolescents Inside and Out.** Children's Hospital Medical Center of Northern California and California Chapter 1 of the American Academy of Pediatrics at Doubletree Inn, Monterey. Friday-Saturday. Contact: Gretchen Hayes-Dodd, Medical Staff Office, Children's Hospital Medical Center, 51st and Grove St., Oakland 94609. (415) 428-3334.**PSYCHIATRY****June 16—Clinical Decision-Making with Couples and Families.** Mental Research Institute, Palo

Alto. Saturday. 6 hrs. \$75. Contact: MRI, 555 Middlefield Rd., Palo Alto 94301.

June 18-22—Divorce Mediation. Mental Research Institute, Palo Alto. Monday-Friday. 20 hrs. \$195. Contact: MRI, 555 Middlefield Rd., Palo Alto 94301.**July 14—The Interactional Treatment of Eating Disorders.** Mental Research Institute, Palo Alto. Saturday. 7 hrs. \$95. Contact: MRI, 555 Middlefield Rd., Palo Alto 94301.**July 20-21—Human Sexuality for the Health Professional.** Mental Research Institute, Palo Alto. Friday-Saturday. 10 hrs. \$100. Contact: MRI, 555 Middlefield Rd., Palo Alto 94301.**July 23-27—Couple and Family Therapy: Conflict and Change.** Mental Research Institute, Palo Alto. Monday-Friday. 15 hrs. \$150. Contact: MRI, 555 Middlefield Rd., Palo Alto 94301.**July 28—Treating Depression in a Marital Context.** Mental Research Institute. Palo Alto. Saturday. 5 hrs. \$60. Contact: MRI, 555 Middlefield Rd., Palo Alto 94301.**July 29-August 2—Mental Research Institute Summer Seminar** at Palo Alto. Sunday-Thursday. 27 hrs. \$270. Contact: MRI, 555 Middlefield Rd., Palo Alto 94301.**August 6-8—Basic Hypnotherapy: Principles and Applications.** Mental Research Institute, Palo Alto. Monday-Wednesday. 6 hrs. \$65. Contact: MRI, 555 Middlefield Rd., Palo Alto 94301.**August 6-10—Brief Therapy.** Mental Research Institute, Palo Alto. Monday-Friday. 15 hrs. \$175. Contact: MRI, 555 Middlefield Rd., Palo Alto 94301.**August 8—Continuing Medical Education Seminars—Psychiatry.** LLU. Wednesday.**August 13-16—Family Crisis: Intervention Strategies.** Mental Research Institute, Palo Alto. Monday-Thursday. 12 hrs. \$150. Contact: MRI, 555 Middlefield Rd., Palo Alto 94301.**August 18-23—Responsibility Issues in Mental Health.** Southern California Psychiatric Institute at Mauna Kea Beach Hotel, Kauela, HI. Saturday-Thursday. 15 hrs. Contact: Gail*(Continued on Page 876)*

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Waldron, MD, Program Dir., SCPI, 6794 La Jolla Blvd., La Jolla 92037. (619) 454-2102.

August 22-24—Sexually Traumatized Adults, Children and Adolescents. Mental Research Institute, Palo Alto. Wednesday-Friday. 9 hrs. \$90. Contact: MRI, 555 Middlefield Rd., Palo Alto 94301.

August 25—Case Studies in Brief Interactional Therapy. Mental Research Institute, Palo Alto. Saturday. 6 hrs. \$70. Contact: MRI, 555 Middlefield Rd., Palo Alto 94301.

RADIOLOGY AND PATHOLOGY

June 17-22—Pathology of the Lung. UCSD. Sunday-Friday. 50 hrs.

August 20-24—Radiology of the Abdomen. UCSD at San Diego and Anaheim. Monday-Friday. 27 hrs. \$395.

August 27-29—Napa Valley Radiology Conference. Sacramento Radiology Research and Education Foundation and Northern California Radiological Society at Napa Valley. Monday-Wednesday. 18 hrs. \$325. Contact: Michael H. Reid, MD, Program Dir., SRREF, PO Box 19184, Sacramento 95819.

September 6-9—Radiology Physics Review Course. UCD at Sacramento. Thursday-Sunday.

September 17-20—American College of Radiology Meeting at Century Plaza Hotel, Los Angeles. Monday-Thursday. Contact: ACR, 20 N. Wacker Dr., Chicago 60606. (312) 236-4963.

October 13-21—9th Annual International Body Imaging Conference. West Park Hospital at Royal Lahaina Hotel, Maui. One week. 28 hrs. \$425. Contact: Conference Sec., 9th Annual Body Imaging Conf., Dept. of Radiology, West Park Hospital, 22141 Roscoe Blvd., Canoga Park 91304. (818) 340-0580, ext. 280.

October 22-26—9th Annual San Diego Postgraduate Radiology Course. UCSD at Hotel del Coronado, Coronado. Monday-Friday.

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Before prescribing, see complete prescribing information. The following is a brief summary.

DESCRIPTION: Each sustained release capsule contains 12 mg of chlorpheniramine maleate, USP and 75 mg of phenylpropanolamine hydrochloride, USP in a base to provide prolonged activity.

INDICATIONS: For the treatment of the symptoms of seasonal and perennial allergic rhinitis and vasomotor rhinitis, including nasal obstruction (congestion).

CONTRAINDICATIONS: Hypersensitivity to any of the components, concurrent MAO inhibitor therapy, severe hypertension, bronchial asthma, coronary artery disease, stenosing peptic ulcer, pyloroduodenal or bladder neck obstruction. Do not use in children under 12 years.

Do not use this drug in patients with narrow-angle glaucoma, obstructive or paralytic ileus, intestinal atony of the elderly or debilitated patient, unstable cardiovascular status in acute hemorrhage, severe ulcerative colitis, toxic megacolon complicating ulcerative colitis, myasthenia gravis.

Do not use in nursing mothers.

Use in treating lower respiratory tract symptoms, including asthma, is contraindicated.

WARNINGS: Caution patients about activities requiring alertness (e.g., operating vehicles or machinery). Antihistamines are more likely to cause dizziness, sedation, and hypotension in elderly patients. Patients should also be warned about the possible additive effects of alcohol and other CNS depressants.

Usage in pregnancy: Safe use in pregnancy has not been established. Use only when the potential benefits have been weighed against the possible hazards to the mother and child. Note that an inhibitory effect on lactation may occur.

PRECAUTIONS: Use with caution in patients with a history of bronchial asthma, increased intraocular pressure, hyperthyroidism, cardiovascular disease, hypertension, hiatal hernia with reflux esophagitis, intestinal atony of the elderly or debilitated intestinal obstruction, myasthenia gravis, renal impairment, and ulcerative colitis (severe). Drug Interactions: MAO inhibitors, alcohol or CNS depressants, especially anesthetics, barbiturates, and narcotics.

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Hematologic System: Hemolytic anemia, thrombocytopenia, agranulocytosis, leukopenia.

Nervous System: Sedation, dizziness, disturbed coordination, fatigue, confusion, restlessness, excitation, nervousness, tremor, irritability, insomnia, euphoria, paresthesias, blurred vision, diplopia, vertigo, tinnitus, acute labyrinthitis hysteria, neuritis, convulsions.

Gastrointestinal System: Epigastric distress, anorexia, nausea, vomiting, diarrhea, constipation.

Genitourinary System: Urinary frequency, difficult urination, urinary retention, early menses.

Respiratory System: Thickening of bronchial secretions, tightness of chest and wheezing, nasal stuffiness.

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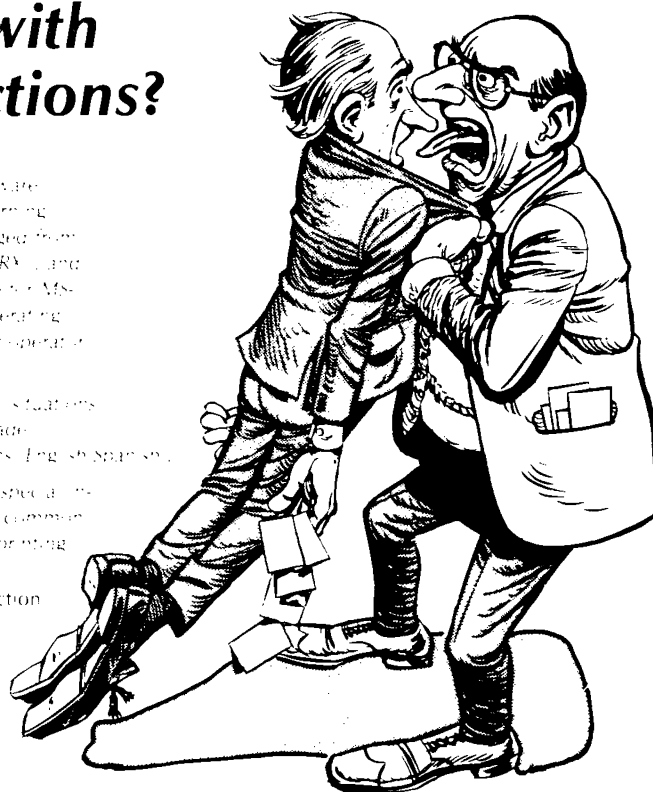
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CONTINUING MEDICAL EDUCATION

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SPORTS MEDICINE

June 24-27—**Marine Medicine.** UCD at Hyatt Del Monte, Monterey. Sunday-Wednesday.

July 20-22—**Sports Medicine and Cardiovascular Fitness—Whitewater Raft Conference.** Mercy Medical Center, Redding at Klamath and Salmon Rivers. Friday-Sunday. 10 hrs. \$295. Contact: Jerry Fikes, RN, Mercy Hospital, PO Box 6009, Redding 96099.

July 23-26—**10th Annual Meeting of American Orthopaedic Society for Sports Medicine** at Marriott Hotel, Anaheim. Monday-Thursday. Contact: AOSSM, PO Box 94274, Chicago 60690.

SURGERY

July 9-13—**Basic Microsurgery Training Workshop.** UCSD. Monday-Friday. 34 hrs. \$1,200.

June 9-14—**Fingers to the Toes: An Orthopedic**

Approach for the Family Physician. UCD at Stanford Sierra Lodge, Fallen Leaf Lake. Saturday-Thursday.

June 18-22—**Basic Microsurgery Training Workshop.** UCSD. Monday-Friday. 35 hrs. \$1,200.

June 20-24—**Western Thoracic Surgical Association Annual Meeting** at Hyatt Regency, Maui. Wednesday-Sunday. Contact: WTSA, 13 Elm St., Manchester, MA 01944. (617) 927-8330.

June 21-23—**Gynecologic Surgery: Principles and Techniques.** American College of Obstetrics and Gynecology at Silverado, Napa. Thursday-Saturday. 16 hrs. Contact: ACOG Reg., Ste. 300 E, 600 Maryland Ave., SW, Washington, DC 20024.

June 25-29—**Advanced Microsurgery Training Workshop.** UCSD. Monday-Friday. 35 hrs. \$1,200.

June 28-29—**5th Annual Trauma Seminar.** DREW at Disneyland Hotel, Anaheim. Thursday-Friday. 16 hrs. \$175.

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July 7-14—**Cardiovascular Medicine and Surgery and Critical Care Medicine.** See Cardiology, July 7-14.

August 13-17—**Basic Microsurgery Training Workshop.** UCSD. Monday-Friday. 34 hrs. \$1,200.

August 22-24—**Ambulatory Surgery and Hysteroscopy.** See Emergency Medicine, August 22-24.

September 16-20—**American Academy of Otolaryngology Annual Meeting** at Las Vegas. Sunday-Thursday. Contact: L. Douglas Cox, Dir. Meetings/Expeditions, 1101 Vermont Ave., NW, Ste. 302, Washington, DC 20005. (202) 289-4607.

September 17-21—**Basic Microsurgery Training Workshop.** UCSD. Monday-Friday. 34 hrs. \$1,200.

September 20-22—**Microsurgery: An Introduction to Microtechnique for Small Artery and Nerve Repair.** American Academy of Orthopaedic Surgeons at San Diego. Thursday-Saturday. Contact: AAOS, 444 N. Michigan Ave., Chicago 60611.

October 1-5—**Basic Microsurgery Training Workshop.** UCSD. Monday-Friday. 34 hrs. \$1,200.

October 9-14—**American Society of Plastic and Reconstructive Surgeons Inc., American Society of Maxillofacial Surgeons Inc. and Plastic Surgery Educational Foundation Meeting** at Las Vegas. Tuesday-Sunday. Contact: ASPRS-PSEF, Exec. Office, 233 N. Michigan Ave., Ste. 1900, Chicago 60601.

October 10-14—**Basic Microsurgery Training Workshop.** UCSD. Wednesday-Sunday. 34 hrs. \$1,200.

October 11-13—**Controversies in Urology.** American Urological Association at San Diego. Thursday-Saturday. 16 hrs. Contact: Alice Henderson, Office of Ed., AUA, PO Box 25147, Houston, TX 77265. (713) 799-6070.

October 14-18—**Western Orthopedic Association Meeting** at San Diego. Sunday-Thursday. Contact: WOA, 1970 Broadway, Ste. 1235, Oakland 94612. (415) 893-1257.

October 17-21—**Advanced Microsurgery Training Workshop.** UCSD. Wednesday-Sunday. \$1,200.

October 21-26—**American College of Surgeons Meeting** at San Francisco. Sunday-Friday. Contact: ACS, 55 E. Erie St., Chicago 60611. (312) 664-4050.

October 27—**Lumbar Spine and Pelvis.** UCSD at Hotel del Coronado, Coronado. Saturday.

October 28-November 9—**Temporal Bone Surgical Dissection.** House Ear Institute, Los Angeles. 2 weeks. 100 hrs. \$1,500. Contact: Antonio de la Cruz, MD, Dir. of Ed., HEI, 256 S. Lake St., Los Angeles 90057. (213) 483-4431.

October 29-November 3—**Basic Microsurgery Training Workshop.** UCSD at Surgery Research Lab, University Hospital, San Diego. Monday-Friday. \$1,200.

OF INTEREST TO ALL PHYSICIANS

June 17-23—**UCI Family Practice Refresher Course.** UCI and Memorial Medical Center of Long Beach at Grand Hotel, Anaheim. One week. Contact: MMCLB, 2801 Atlantic Ave., Long Beach 90801. (714) 595-3811.

June 18—**Transplant '84.** UCSF. Monday.

June 18-20—**Aluminum-Related Disease: Features, Pathogenesis, Recognition and Treatment and Prevention.** UCLA at The Newporter, Newport Beach. Monday-Wednesday. 20 hrs. \$150.

June 18-23—**UCI Family Practice Refresher Course.** UCI at Disneyland Hotel. Monday-Saturday.

June 20-24—**Golden State Medical Association Annual Scientific Session** at Hawaiian Regent Hotel, Oahu. Wednesday-Sunday. Contact: Lillian Fortier, GMSA, PO Box 2151 Station A, Berkeley 94702.

June 21-23—**1st Annual Superficial Anatomy and Cutaneous Surgery for Dermatologists: 1984.** UCSD. Thursday-Saturday. 22.5 hrs. \$500.

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THE WESTERN JOURNAL OF MEDICINE

INFORMATION FOR AUTHORS

Submitting Manuscripts

Manuscripts for consideration should be sent to the editor, Malcolm S. M. Watts, MD, 44 Gough Street, San Francisco, California 94103. The transmittal letter should designate one person as correspondent and include complete address, with ZIP code and telephone number.

In view of *The Copyright Revision Act of 1976*, transmittal letters should contain the following language: "In consideration for reviewing and editing my submission, the author(s) undersigned hereby transfers, assigns or otherwise conveys all copyright ownership to THE WESTERN JOURNAL OF MEDICINE in the event that such work is published by the journal." This statement should be signed by *all* the authors.

Authors are urged to seek clarity and succinctness in all manuscripts regardless of subject matter or format and to give close attention to syntax, grammar and spelling.

Clinical Investigation Section

Articles that authors wish to have considered for the Clinical Investigation section should be so designated in the transmittal letter. The type of articles appropriate for this section are those that describe experimental work in humans that extensively and prospectively examines scientific hypotheses relating to disease. An article describing a single case report will not normally be considered appropriate for this section.

Preparing Manuscripts

The original manuscript and *two* copies should be submitted on heavy bond paper (8½ by 11 inches, *not* erasable), typed *double-spaced throughout* (including legends, tables and references) on one side of the paper, with 1½-inch margins. Ordinarily, articles should not exceed 3,000 words (less than 15 text pages, typed double-spaced). Under exceptional circumstances only will articles longer than 4,000 words be published. Pages should be numbered consecutively, beginning with the title page.

Style

Abbreviations. Use of abbreviations should be minimized. If they are necessary, abbreviations should be spelled out at first mention, with the abbreviation itself immediately following in parentheses.

Weights and measures. All measurements should be given in metric units. English equivalents should be given parenthetically if the measurements were originally done in English units.

Temperatures. Temperature readings should be given first in Celsius, followed by the Fahrenheit equivalent in parentheses.

Drug names. If the trade name of a drug is used, the generic name should be given first, followed by the trade name in parentheses. Trade names are capitalized, generic names are not.

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Titles are best when brief and concise. The title page should include the full name of the author(s), with degrees, academic or professional titles, complete addresses and any institutional or other affiliations. The complete name and address of the person who will handle reprint requests also should appear on this page.

Abstract

The abstract (approximately 150 words) should be a short summary, saying in brief what is said at length in the body of the article—rather than such and such "is discussed," "is presented" or "was investigated."

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Tables

Each table should be typed on a separate sheet of paper, be numbered consecutively in Arabic numerals, have a brief descriptive title and have its position indicated in the text.

Illustrations (Figures)

Three sets of clear, unmounted black and white glossy prints of figures should be submitted (preferably 5 by 7 inches, but no larger than 8½ by 11 inches). For line drawings, original artwork or glossy prints are acceptable. Illustrations should be numbered consecutively in Arabic numerals and their position indicated in the text. Figure number, first author's name and top of the photo should be shown on the reverse side of each illustration. Recognizable photographs of patients are to be masked and written permission for publication obtained from the patients.

Legends

All legends for figures should be typed together on a separate sheet of paper. Magnification and stain for photomicrographs should be indicated in parentheses.

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briefly by citation of a reference number. Otherwise, acknowledgment is made at the end of the figure legend or at the bottom of the table.

References

References should be limited to those cited in the text. They must be typed double-spaced and numbered consecutively as they appear in the manuscript. (See examples below for style.) Abbreviations of journal titles should conform to those used in *Index Medicus*.

Journal Articles

Note handling of multiple authorship. If more than three authors are listed as contributors, use "et al" to designate those names after the first three. Also note capitalization, punctuation, mention of inclusive page numbers and year of publication. Separate the subtitle from the title by either a dash or a colon. Use colon *only* if it appears in the original citation.

1. Jones JS, Anderson HW, Johnson DW, et al: The athletic heart revisited—Sudden death of a 28-year-old athlete. *JAMA* 1978; 292:444-456

2. Graybill JR, Alford RH, Smith RG, et al: Cell-mediated immunity in cryptococcosis: A brief review. *Cell Immunol* 1978; 7:76-79

Books

Note handling of "edition," "editor(s)," and "volume," as well as appropriate sequence of reference information and capitalization of chapters and titles.

3. Berne EJ, Smith TL: Role playing in therapy, chap 2, *Principles of Group Therapy*. New York, Oxford University Press, 1966, pp 35-51 (*author of chapter same as author of book*)

4. Munsung JM: The role of drugs, chap 2, *In Brest AN, Mayer JH (Eds): Hypertension—Vol 2, Therapy*, 2nd Ed. Springfield, Ill, Charles C Thomas, 1961, pp 456-479 (*author of chapter different from authors of book*)

Pamphlets, Monographs or Books With No Given Author

5. AMA Department of Drugs: *AMA Drug Evaluation*, 3rd Ed. Littleton, Mass, Publishing Sciences Group, 1977 (*corporate author*)

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Any article accepted for publication should include the name of the journal (appropriately abbreviated) in which it will appear, and the phrase "in press" or "accepted for publication" in place of the date of publication.

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Brief manuscripts commenting on articles that have appeared in the journal, containing information of interest to physicians or discussing issues of the day will be considered for publication. Very short reports of cases, clinical experience, clinical studies, adverse effects and the like also will be considered. Items for the Correspondence section should not exceed 600 words and should have no more than five bibliographic references and one figure or table.

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Wytenzin[®]

(guanabenz acetate)

4 mg b.i.d.

Brief Summary

Before prescribing, consult the complete package circular.

Indications and Usage: Treatment of hypertension, alone or in combination with a thiazide diuretic.

Contraindication: Known sensitivity to the drug.

Precautions: 1. Sedation: Causes sedation or drowsiness in a large fraction of patients. When used with centrally active depressants, e.g., phenothiazines, barbiturates and benzodiazepines, consider potential for additive sedative effects. 2. Patients with vascular insufficiency: Like other antihypertensives use with caution in severe coronary insufficiency, recent myocardial infarction, cerebrovascular disease, or severe hepatic or renal failure. 3. Rebound: Sudden cessation of therapy with central alpha agonists like Wytenzin may rarely result in "overshoot" hypertension and more commonly produces increase in serum catecholamines and subjective symptomatology. **Information for Patients:** Advise patients on Wytenzin to exercise caution when operating dangerous machinery or motor vehicles until it is determined they do not become drowsy or dizzy. Warn patients that tolerance for alcohol and other CNS depressants may be diminished. Advise patients not to discontinue therapy abruptly.

LAB TESTS: In clinical trials, no clinically significant lab test abnormalities were identified during acute or chronic therapy. Tests included CBC, urinalysis, electrolytes, SGOT, bilirubin, alkaline phosphatase, uric acid, BUN, creatinine, glucose, calcium, phosphorus, total protein, and Coombs' test. During long-term use there was small decrease in serum cholesterol and total triglycerides without change in high-density lipoprotein fraction. In rare instances occasional nonprogressive increase in liver enzymes was observed, but no clinical evidence of hepatic disease.

DRUG INTERACTIONS: Wytenzin was not demonstrated to cause drug interactions when given with other drugs, e.g., digitalis, diuretics, analgesics, anxiolytics, and anti-inflammatory or antineoplastic agents, in clinical trials. However, potential for increased sedation when given concomitantly with CNS depressants should be noted.

DRUG/LAB TEST INTERACTIONS: No lab test abnormalities were identified with Wytenzin use.

CARCINOGENESIS, MUTAGENESIS, IMPAIRMENT OF FERTILITY: No evidence of carcinogenic potential emerged in rats during a two-year oral study with Wytenzin at up to 9.5 mg/kg/day, i.e., about 10 times maximum recommended human dose. In the Salmonella microsome mutagenicity (Ames) test system, Wytenzin at 200-500 mcg per plate or at 30-50 mcg/ml in suspension gave dose-related increases in number of mutants in one (TA 1537) of five *Salmonella typhimurium* strains with or without inclusion of rat liver microsomes. No mutagenic activity was seen at doses up to those which inhibit growth in the eukaryotic microorganism, *Schizosaccharomyces pombe*, or in Chinese hamster ovary cells at doses up to those lethal to the cells in culture. In another eukaryotic system, *Saccharomyces cerevisiae*, Wytenzin produced no activity in an assay measuring induction of repairable DNA damage. Reproductive studies showed a decreased pregnancy rate in rats given high oral doses (9.6 mg/kg), suggesting impairment of fertility. Fertility of treated males (9.6 mg/kg) may also have been affected, as suggested by decreased pregnancy rate of mates, even though females received drug only during last third of pregnancy.

PREGNANCY: Pregnancy Category C: WYTENSIN[®] MAY HAVE ADVERSE EFFECTS ON FETUS WHEN ADMINISTERED TO PREGNANT WOMEN. A teratology study in mice indicated possible increase in skeletal abnormalities when Wytenzin is given orally at doses 3 to 6 times maximum recommended human dose of 1.0 mg/kg. These abnormalities, principally costal and vertebral, were not noted in similar studies in rats and rabbits. However, increased fetal loss has been observed after oral Wytenzin given to pregnant rats (14 mg/kg) and rabbits (20 mg/kg). Reproductive studies in rats have shown slightly decreased live-birth indices, decreased fetal survival rate, and decreased pup body weight at oral doses of 6.4 and 9.6 mg/kg. There are no adequate, well-controlled studies in pregnant women. Wytenzin should be used during pregnancy only if potential benefit justifies potential risk to fetus.

NURSING MOTHERS: Because no information is available on Wytenzin excretion in human milk, it should not be given to nursing mothers.

PEDIATRIC USE: Safety and effectiveness in children less than 12 years of age have not been demonstrated, use in this age group cannot be recommended.

Adverse Reactions: Incidence of adverse effects was ascertained from controlled clinical studies in U.S. and is based on data from 859 patients on Wytenzin for up to 3 years. There is some evidence that side effects are dose-related. Following table shows incidence of adverse effects in at least 5% of patients in study comparing Wytenzin to placebo, at starting dose of 8 mg b.i.d.

Adverse Effect	Placebo (%) n = 102	Wytenzin (%) n = 109
Dry mouth	7	28
Drowsiness or sedation	12	39
Dizziness	7	17
Weakness	7	10
Headache	6	5

In other controlled clinical trials at starting dose of 16 mg/day in 476 patients, incidence of dry mouth was slightly higher (38%) and dizziness was slightly lower (12%), but incidence of most frequent adverse effects was similar to placebo-controlled trial. Although these side effects were not serious, they led to discontinuation of treatment about 15% of the time. In more recent studies using an initial dose of 8 mg/day in 274 patients, incidence of drowsiness or sedation was lower, about 20%. Other adverse effects reported during clinical trials but not clearly distinguishable from placebo effects and occurring with frequency of 3% or less: Cardiovascular—chest pain, edema, arrhythmias, palpitations. Gastrointestinal—nausea, epigastric pain, diarrhea, vomiting, constipation, abdominal discomfort. Central nervous system—anxiety, ataxia, depression, sleep disturbances. ENT disorders—nasal congestion. Eye disorders—blurring of vision. Musculoskeletal—aches in extremities, muscle aches. Respiratory—dyspnea. Dermatologic—rash, pruritus. Urogenital—urinary frequency, disturbances of sexual function. Other—gynecomastia, taste disorders.

Drug Abuse and Dependence: No dependence or abuse has been reported.

Overdosage: Accidental ingestion caused hypotension, somnolence, lethargy, irritability, miosis, and bradycardia in two children aged one and three years. Gastric lavage and pressor substances, fluids, and oral activated charcoal resulted in complete and uneventful recovery within 12 hours in both. Since experience with accidental overdosage is limited, suggested treatment is mainly supportive while drug is being eliminated and until patient is no longer symptomatic. Vital signs and fluid balance should be carefully monitored. Adequate airway should be maintained and, if indicated, assisted respiration instituted. No data are available on Wytenzin dialyzability.

Dosage and Administration: Individualize dosage. A starting dose of 4 mg b.i.d. is recommended, whether used alone or with a thiazide diuretic. Dosage may be increased in increments of 4 to 8 mg/day every one to two weeks, depending on response. Maximum dose studied has been 32 mg b.i.d., but doses this high are rarely needed.

How Supplied: Wytenzin Tablets, 4 mg and 8 mg, bottles of 100.

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CONTINUING MEDICAL EDUCATION

(Continued from Page 893)

June 29-30—**Pediatric Ophthalmology for the Pediatrician and Primary Care Physician.** See Pediatrics, June 29-30.

July 1—**Eureka Clinical Conferences.** UCSF at Eureka. Sunday.

July 7-8—**Weekend with the Masters.** UCSD and Great Teachers Foundation at Double Tree Inn, Monterey. Saturday-Sunday. 20 hrs. \$325. Contact: PO Box 61203, DFW Airport, TX 75261. (214) 659-4590.

July 10-12—**Family Practice Board Review Course.** UCSF. Tuesday-Thursday. 22 hrs. \$300.

August 1-4—**Dermatology.** UCD at Hyatt Lake Tahoe, Incline Village. Wednesday-Saturday.

August 17-19—**Nutrition, Obesity, and Weight Control—White Water Raft Conference.** Mercy Medical Center, Redding at Klamath and Salmon Rivers. Friday-Sunday. 10 hrs. \$295. Contact: Jerry Fikes, RN, Mercy Hospital, PO Box 6009, Redding 96099.

August 20-24—**CRYO '84: Course of Freezing of Animal Cells, Tissues and Organs.** UCD. Monday-Friday.

September 1—**Medical Mycology.** UCSF. Saturday.

September 1-2—**Thyroid Today—1984: 3rd Annual Symposium.** Cypress Foundation and Monterey City Medical Society at Doubletree Inn at Fisherman's Wharf, Monterey. Saturday-Sunday. Contact: Cypress Foundation, PO Box 80308, Salinas 93912. (408) 455-1833.

September 8-9—**Dermatopathology Board Review.** UCSF. Saturday-Sunday.

September 13-14—**Intensive Course in Adolescent Obesity.** UCSF. Thursday-Friday. \$135.

September 17-19—**Relational Issues of Addiction: Violence, Sexuality and Intimacy.** Scripps Memorial Hospital at Vacation Village Hotel, San Diego. Monday-Wednesday. 15 hrs. \$190. Contact: Nomi Feldman, Conf. Coord., 3770 Tansy, San Diego 92121. (619) 453-6222.

September 17-21—**Office Procedures.** UCSF at

Golden Gateway Holiday Inn, San Francisco. Monday-Friday.

September 19-21—**State of the Art in the Care of Geriatric Patients: Pre-Intra-Post-Operative Management.** Mount Zion Hospital and Medical Center, San Francisco. Wednesday-Friday. \$325. Contact: Robin B. Jackson, Office of Cont. Ed., PO Box 7921, San Francisco 94120. (415) 567-6600, ext. 2404.

September 19-23—**Annual Scientific Program and Postgraduate Course of the Pacific Coast Fertility Society** at Marriott's Rancho Las Palmas, Rancho Mirage. Wednesday-Sunday. 21 hrs. Contact: PCFS, 5820 Wilshire Blvd., #500, Los Angeles 90036. (213) 937-5514.

September 20-23—**34th Annual Obesity and Associated Conditions Symposium.** American Society of Bariatric Physicians at MGM Grand Hotel, Reno. Thursday-Sunday. 17 hrs. Contact: Randall B. Lee, Exec. Dir., 4730 E. Caley Ave., Ste. 210, Englewood, CO 80111. (303) 779-4833.

September 21—**Dermatology and Dermatologic Office Procedure Workshop.** CME at Kona Kai Club, San Diego. Friday. Contact: J. Shiller, Continuing Medical Education Associates, PO Box 84296, San Diego 92138. (619) 223-2997.

September 23—**Dermatology and Dermatologic Office Procedures Workshop.** Continuing Medical Education Associates at Holiday Inn Union Square, San Francisco. Sunday. \$175. Contact: J. Shiller, Continuing Medical Education Associates, PO Box 84296, San Diego 92138. (619) 223-2997.

September 29—**Food Allergy: Update 1984.** Los Angeles Society of Allergy and Clinical Immunology at Beverly Wilshire Hotel, Beverly Hills. Saturday. Contact: Geri Coldewey, LASACI, 1626 North Wilcox, #557, Hollywood 90028.

October 1—**Nutrition Symposium.** UCSF at Yosemite. Monday.

October 7-9—**The Neural and Metabolic Bases of Feeding.** UCD at Napa Valley Holiday Inn, Napa. Sunday-Tuesday.

October 8-19—**Intensive Residency in Occupational Medicine.** UCSF. 2 weeks. 65.5 hrs. \$1,000.

October 11-14—**A California Conference in Applied Clinical Geriatrics.** UCD at Napa Valley. Thursday-Sunday.

October 12-13—**Skin From A to Z.** UCSF. Friday-Saturday.

October 12-13—**Mycology Review.** STAN. Friday-Saturday. 14 hrs. \$200.

October 16-18—**Primary Medical Care of Selected Infectious Diseases.** Health Science Seminars of UCSF at Sheraton Hotel, Poipu Beach, Kauai, HI. Tuesday-Thursday. \$225. Contact: Cynthia Vaughan, Program Coordinator, PO Box 22023, San Francisco 94122. (415) 861-2713.

October 17—**Second Annual Alcohol & Drug Dependencies Symposium.** Kaiser Permanente Southern California at The Pasadena Hilton, Pasadena. Wednesday. \$90. Contact: Judy Harrison—Dept. of Clinical Services, Kaiser-Permanente Medical Care Program, 4747 Sunset Blvd., Los Angeles, CA 90027. (213) 667-4241.

October 19-21—**Medical Mycology.** UCSF. Friday-Saturday.

October 29-November 1—**Interstate Postgraduate Medical Association Meeting** at Las Vegas. Monday-Thursday. Contact: H. B. Maroney, Exec. Dir., PO Box 1109, Madison, WI 53701. (608) 257-6781.

IDAHO

June 23-27—**Ethics at the Edges of Life.** University of Washington School of Medicine at Elkhorn, Sun Valley. Saturday-Wednesday. Contact: U/W School of Medicine, Div. of CME, SC-50, Seattle, WA 98195. (206) 543-1050.

July 7-13—**Updates in Trauma: An EPIC Medical Adventure.** Bicycle Tour through the Rocky Mountains, beginning in Sun Valley. One week. Sponsors: American Institute of Primary Care Medicine and University of Arizona College of Medicine. 24 hrs. Contact: Richard F. Paris, MD, PO Box 209, Sun Valley 83353. (208) 788-4995.

July 25-28—**Idaho Medical Association Annual Meeting.** Sun Valley. Wednesday-Saturday.

Contact: IMA, 407 W. Bannock St., PO Box 2668, Boise 83701.

August 5-11; 12-18—**Computers in Professional Practice: An EPIC Medical Expedition.** Tyrolean Lodge, Sun Valley. One week. Sponsors: American Institute of Primary Care Medicine and University of Arizona College of Medicine. 24 hrs. Contact: Richard F. Paris, MD, PO Box 209, Sun Valley 83353. (208) 788-4995.

August 15-21—**Updates in Pediatrics: An EPIC Medical Expedition.** Rafting on the Middle Fork of the Salmon River. One week. Sponsors: American Institute of Primary Care Medicine and University of Arizona College of Medicine. 24 hrs. Contact: Richard F. Paris, MD, PO Box 209, Sun Valley 83353. (208) 788-4995.

August 18-19—**Trauma Update—84.** North Shore Convention Center, Lake Coeur d'Alene. Contact: Linda Ady, Conf. Coordinator, Idaho EMS System, 450 W. State St., Boise 83720. (208) 334-4245.

September 9-14—**Up-to-Date Cardiac Therapy: An EPIC Medical Expedition.** Rafting on the Middle Fork of the Salmon River. Sunday-Friday. Sponsors: American Institute of Primary Care Medicine and University of Arizona College of Medicine. 24 hrs. Contact: Richard F. Paris, MD, PO Box 209, Sun Valley 83353. (208) 788-4995.

October 18-24—**Effective Diagnosis and Treatment of Infectious Diseases: An EPIC Medical Expedition.** Fishing and Chukar hunting adventure on the Main Salmon River. One week. Sponsors: American Institute of Primary Care Medicine and University of Arizona College of Medicine. 24 hrs. Contact: Richard F. Paris, MD, PO Box 209, Sun Valley 83353. (208) 788-4995.

MONTANA

September 21-22—**American College of Physicians—Regional Meeting.** Heritage Inn, Great Falls. Friday-Saturday. Contact: Warren D. Bowman, Jr, MD, Billings Clinic, Box 2555, Billings 59103.

October 4-6—**Montana Medical Association Annual Meeting.** Sheraton, Billings. Thursday-Saturday. Contact: MMA, 2012 11th Ave., Suite 12, Helena 59601. (406) 433-4000.

NEW MEXICO

All courses listed below have been certified by CME accredited institutions as meeting the criteria for Category 1 of the Physician's Recognition Award of the American Medical Association. The Continuing Medical Education Committee of the New Mexico Medical Society has certified all courses listed below as meeting the criteria for Category IV under the New Mexico Board of Medical Examiners Continuing Medical Education regulations.

Information, requests for accreditation and items to be listed should be sent to the chairman of the CME Committee, New Mexico Medical Society, 303 San Mateo NE, Suite 204, Albuquerque, NM 87108 at least two months in advance. For information on CME accreditation or on the CME requirements of the New Mexico Board of Medical Examiners, please write to the above address or call (500) 266-7868.

NOTE: Course information in the following listing is subject to change on occasion. Check with the sponsoring institution for current details.

June 21-23—**4th Annual Emergency Medical Services Conference.** Albuquerque. Thursday-Saturday. Clarion-Four Seasons. Hour for hour credit—AMA Cat. I, NM Cat. IV. Contact: C. Thompson, EMS Bureau, PO Box 968, Santa Fe 87504. (505) 984-0024.

June 22—**Medical Control Symposium.** Albuquerque. Friday. Clarion-Four Seasons Hotel. 6 hrs. NM Cat. IV. Contact: Emergency Medical Services Bureau, PO Box 968, Santa Fe 87504.

June 29-30—**Genetics in Modern Obstetrics—Advances in Prenatal Diagnosis.** Santa Fe. Friday-Saturday. Hilton Inn. 10 hrs. NM Cat. IV. Contact: VIVIGEN, Sterling Puck, MD, 550 St. Michaels Drive, Santa Fe 87501. (505) 988-9744.

July 12-14—**New Mexico Ophthalmological Society Annual Meeting.** Santa Fe. Thursday-Saturday. Hilton Inn. 8½ hrs. NM Cat. IV,

(Continued on Page 998)

Motrin® Tablets (ibuprofen)

Contraindications: Anaphylactoid reactions have occurred in individuals hypersensitive to Motrin Tablets or with the syndrome of nasal polyps, angioedema and bronchospastic reactivity to aspirin, iodides, or other nonsteroidal anti-inflammatory agents.

Warnings: Peptic ulceration and GI bleeding, sometimes severe, have been reported. Ulceration, perforation and bleeding may end fatally. An association has not been established. Use Motrin Tablets under close supervision in patients with a history of upper gastrointestinal tract disease, after consulting ADVERSE REACTIONS. In patients with active peptic ulcer and active rheumatoid arthritis, try nonulcerogenic drugs, such as gold. If Motrin Tablets are used, observe the patient closely for signs of ulcer perforation or GI bleeding.

Chronic studies in rats and monkeys have shown mild renal toxicity with papillary edema and necrosis. Renal papillary necrosis has rarely been shown in humans treated with Motrin Tablets.

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Motrin Tablets can inhibit platelet aggregation and prolong bleeding time. Use with caution in persons with intrinsic coagulation defects and on anticoagulant therapy.

Patients should report signs or symptoms of gastrointestinal ulceration or bleeding, skin rash, weight gain, or edema.

Patients on prolonged corticosteroid therapy should have therapy tapered slowly when Motrin Tablets are added.

The antipyretic, anti-inflammatory activity of Motrin Tablets may mask inflammation and fever.

As with other nonsteroidal anti-inflammatory drugs, borderline elevations of liver tests may occur in up to 15% of patients. These abnormalities may progress, may remain essentially unchanged, or may be transient with continued therapy. Meaningful elevations of SGPT or SGOT (AST) occurred in controlled clinical trials in less than 1% of patients. Severe hepatic reactions, including jaundice and cases of fatal hepatitis, have been reported with ibuprofen as with other nonsteroidal anti-inflammatory drugs. If liver disease develops or if systemic manifestations occur (e.g. eosinophilia, rash, etc.), Motrin should be discontinued.

Drug interactions. Aspirin: used concomitantly may decrease Motrin blood levels.

Coumarin: bleeding has been reported in patients taking Motrin and coumarin.

Pregnancy and nursing mothers: Motrin should not be taken during pregnancy or by nursing mothers.

Adverse Reactions: The most frequent type of adverse reaction occurring with Motrin is gastrointestinal of which one or more occurred in 4% to 16% of the patients.

Incidence Greater than 1% (but less than 3%)—Probable Causal Relationship

Gastrointestinal: Nausea,* epigastric pain,* heartburn,* diarrhea, abdominal distress, nausea and vomiting, indigestion, constipation, abdominal cramps or pain, fullness of GI tract (bloating and flatulence); **Central Nervous System:** Dizziness,* headache, nervousness; **Dermatologic:** Rash* (including maculopapular type), pruritus; **Special Senses:** Tinnitus; **Metabolic/Endocrine:** Decreased appetite; **Cardiovascular:** Edema, fluid retention (generally responds promptly to drug discontinuation; see PRECAUTIONS).

Incidence less than 1%—Probable Causal Relationship**

Gastrointestinal: Gastric or duodenal ulcer with bleeding and/or perforation, gastrointestinal hemorrhage, melena, gastritis, hepatitis, jaundice, abnormal liver function tests; **Central Nervous System:** Depression, insomnia, confusion, emotional lability, somnolence, aseptic meningitis with fever and coma; **Dermatologic:** Vesiculobullous eruptions, urticaria, erythema multiforme, Stevens-Johnson syndrome, alopecia; **Special Senses:** Hearing loss, amblyopia (blurred and/or diminished vision, scotomata, and/or changes in color vision) (see PRECAUTIONS); **Hematologic:** Neutropenia, agranulocytosis, aplastic anemia, hemolytic anemia (sometimes Coombs positive), thrombocytopenia with or without purpura, eosinophilia, decreases in hemoglobin and hematocrit; **Cardiovascular:** Congestive heart failure in patients with marginal cardiac function, elevated blood pressure, palpitations; **Allergic:** Syndrome of abdominal pain, fever, chills, nausea and vomiting; anaphylaxis; bronchospasm (see CONTRAINDICATIONS); **Renal:** Acute renal failure in patients with pre-existing significantly impaired renal function, decreased creatinine clearance, polyuria, azotemia, cystitis, hematuria; **Miscellaneous:** Dry eyes and mouth, gingival ulcer, rhinitis.

Incidence less than 1%—Causal Relationship Unknown**

Gastrointestinal: Pancreatitis; **Central Nervous System:** Paresthesias, hallucinations, dream abnormalities, pseudotumor cerebri; **Dermatologic:** Toxic epidermal necrolysis, photoallergic skin reactions; **Special Senses:** Conjunctivitis, diplopia, optic neuritis; **Hematologic:** Bleeding episodes (e.g., epistaxis, menorrhagia); **Metabolic/Endocrine:** Gynecomastia, hypoglycemic reaction; **Cardiovascular:** Arrhythmias (sinus tachycardia, sinus bradycardia); **Allergic:** Serum sickness, lupus erythematosus syndrome, Henoch-Schönlein vasculitis; **Renal:** Renal papillary necrosis.

*Reactions occurring in 3% to 9% of patients treated with Motrin. (Those reactions occurring in less than 3% of the patients are unmarked.)

**Reactions are classified under "Probable Causal Relationship (PCR)" if there has been one positive rechallenge or if three or more cases occur which might be causally related. Reactions are classified under "Causal Relationship Unknown" if seven or more events have been reported but the criteria for PCR have not been met.

Overdosage: In cases of acute overdosage, the stomach should be emptied. The drug is acidic and excreted in the urine so alkaline diuresis may be beneficial.

Dosage and Administration: Rheumatoid arthritis and osteoarthritis. Suggested dosage is 300, 400, or 600 mg t.i.d. or q.i.d. Do not exceed 2400 mg per day. Mild to moderate pain: 400 mg every 4 to 6 hours as necessary.

Caution: Federal law prohibits dispensing without prescription.

Motrin is a registered trademark of The Upjohn Manufacturing Company M, Barceloneta, Puerto Rico

MED B-7-S

Upjohn

CONTINUING MEDICAL EDUCATION

(Continued from Page 994)

AMA Cat. I. Contact: Kim Knowles, MD, 1452 St. Francis Drive, Santa Fe 87501. (505) 982-2509.

July 16-19—Ruidoso Family Practice Seminar. Ruidoso. Monday-Thursday. Inn of the Mountain Gods. 20 hrs. AMA Cat. I, NM Cat. IV, AAFP Prescribed. Contact: NM Chapter, AAFP, PO Box 23070, Albuquerque 87192. (505) 298-5300.

July 26-28—General Surgical Update 1984. Albuquerque. Thursday-Saturday. Marriott Hotel. 15 hrs. AMA Cat. I, NM Cat. IV. Contact: UNM School of Medicine, Office of CME, Albuquerque 87131. (505) 277-3942.

November 9-10—New Mexico Medical Society Interim Meeting—Sports Medicine. Clovis. Friday-Saturday. 8 hrs. AMA Cat. I, NM Cat. IV. Contact: NMMS, 303 San Mateo NE, Albuquerque 87108. (505) 266-7868.

OREGON

The following list of continuing medical education offerings in the state of Oregon is compiled by the Oregon Medical Association's Council on Medical Education. If you wish to submit information regarding future post-graduate courses, please submit the information to James A. Kronenberg, Associate Executive Director, Oregon Medical Association, 5210 SW Corbett Ave., Portland, OR 97201, or phone (503) 226-1555.

MEDICAL GRAND ROUNDS

Douglas Community Hospital, 738 West Harvard Avenue, Roseburg 97470:

Every Monday, 12:30 p.m. Contact: Robert A. Driver, MD, Douglas Community Hospital, 738 West Harvard Avenue, Roseburg, OR 97470. (503) 673-6641.

CONTACT INFORMATION

OHSU-CME—Contact: Division of Continuing Medical Education, Oregon Health Sciences University, Portland, OR 97201. (503) 225-8700.

Emanuel Hospital, 2801 N. Gantenbein Street, Portland 97227:

Every Friday, 8:00 a.m. to 9:00 a.m. **Medical Grand Rounds.** Contact: Philipa McClure, Emanuel Hospital, 2801 N. Gantenbein Street, Portland, OR 97227. (505) 280-3200.

Good Samaritan Hospital and Medical Center, 1015 NW 22nd Avenue, Portland 97210:

Every Wednesday, 8:00 a.m. to 9:00 a.m. **Medicine Grand Rounds.** Contact: Chris Cobb, Good Samaritan Hospital and Medical Center, 1015 NW 22nd Avenue, Portland, OR 97201. (503) 229-7111.

Providence Medical Center, 4805 NE Glisan, Portland 97213:

Every Wednesday, 8:00 a.m. **Medical Grand Rounds.** Contact: Richard Wernick, MD, Providence Medical Center, 4805 NE Glisan, Portland, OR 97213. (503) 230-6085.

Sacred Heart General Hospital, 1200 Alder Street, Eugene, OR 97440:

Every Tuesday, 8:00 a.m. to 9:00 a.m. **Medical Grand Rounds.** Hospital Auditorium. Contact: Medical Education Committee. PO Box 10905, Eugene, OR 97440.

Salem Hospital, 665 Winter Street SE, Salem 97301:

First and third Thursday of each month 7:15 a.m. to 8:15 a.m. **Medical Live Audit Conference.** Memorial Auditorium. Contact: Diane Eyerly, Salem Hospital, 665 Winter Street SE, Salem, OR 97301. (503) 370-5339.

Every Friday, 7:30 a.m. to 8:30 a.m. **Friday Grand Rounds.** Memorial Auditorium. Contact: Diane Eyerly, Salem Hospital, 665 Winter Street SE, Salem, OR 97301. (503) 370-5339.

St. Vincent Hospital & Medical Center, 9205 SW Barnes Road, Portland 97225:

First, third, fourth and fifth Wednesday of each month, 8:00 a.m. to 9:00 a.m. **Medical Grand Rounds.** Souther Auditorium. Contact: Bonnie Conger, Secretary to Dr Kenneth Melvin, St. Vincent Hospital & Medical Center, 9205 SW Barnes Road, Portland 97225. (503) 297-4411, Ext. 2230.

Oregon Health Sciences University, Department of Psychiatry, Portland 97201:

Every Wednesday, 4:00 p.m. to 5:00 p.m.—**Department of Psychiatry Grand Round Presentations.** Room 8B-60, University Hospital South, Oregon Health Sciences University. Contact: Dept. of Psychiatry, Oregon Health Sciences University, Portland, OR 97201. (503) 225-8144.

Oregon Health Sciences University, Department of Medicine, Portland 97201:

Every Tuesday, 8:00 a.m. to 9:00 a.m.—**Department of Medicine Grand Rounds.** U.H.S.-8B-60, Oregon Health Sciences University. Contact: Dept. of Medicine, Oregon Health Sciences University, Portland, OR 97201. (503) 225-8607.

FAMILY PRACTICE GRAND ROUNDS

Every Wednesday, 11:00 a.m. to 12:00 Noon. **Family Practice Grand Rounds.** Family Practice Center, Oregon Health Sciences University, Portland. Contact: William A. Fisher, MD, Oregon Health Sciences University, Department of Family Practice, Portland, OR 97201. (503) 225-7590.

* * *

EMERGENCY MEDICINE

November 15-16—**Symposium on Critical Care Medicine.** Portland. Thursday-Friday. Red Lion-Jantzen Beach. Contact: OHSU-CME.

OBSTETRICS AND GYNECOLOGY

October 25-27—**Pacific Northwest Review of Obstetrics and Gynecology.** Portland. Thursday-Saturday. Red Lion-Jantzen Beach. Contact: OHSU-CME.

SURGERY

July 8-11—**Practical Plastic Surgery for the Primary Care Physician.** Bend. Monday-Wednesday. Sunriver Resort. Contact: OHSU-CME.



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CONTINUING MEDICAL EDUCATION

November 30-December 1—**Soft Tissue Surgery.** Portland. Friday-Saturday. OHSU Campus. Contact: OHSU-CME.

OF INTEREST TO ALL PHYSICIANS

June 22-23—**Exercise and Fitness.** Portland. Friday-Saturday. Red Lion-Lincoln Street. Contact: OHSU-CME.

September 7-8—**The Ashland Conference: Immunology and Allergy in Primary Care.** Ashland. Friday-Saturday. Ashland Hills Inn. Contact: OHSU-CME.

October 19-21—**The Salishan Conference: Cardiology.** Gleneden Beach. Friday-Sunday. Salishan Lodge. Contact: OHSU-CME.

UTAH

This listing of continuing medical education courses in Utah is compiled and edited by the Academy for Continuing Medical Education, a foundation of the Utah State Medical Association. All courses listed have been certified by CME accredited institutions as meeting the criteria for Category 1 of the Physician's Recognition Award of the American Medical Association. They also must meet the definition of Utah Approved CME Credit for the purpose of medical license reregistration in Utah. Accredited institutions wishing to list AMA Category 1/Utah Approved CME courses here should send information at least two months in advance to the Academy of Continuing Medical Education, 540 East Fifth South, Salt Lake City, Utah 84102; or phone (801) 355-5290. For information on CME accreditation or on the CME requirements of the Utah Physicians' Licensing Board, please write the Academy at the above address.

NOTE: Course information in the following listing is subject to change on occasion. Check with the sponsoring institution or the Academy for current details.

PEDIATRIC GRAND ROUNDS

Primary Children's Medical Center, 320 12th Ave., Salt Lake City 84103:

First and third Thursdays—8:00 a.m. Contact: Cathy Van Komen, PCMC, 320 12th Ave., Salt Lake City, UT 84103. (801) 363-1221.

MONTHLY PSYCHOTHERAPY CLINICAL SEMINAR

Holy Cross Hospital, 1045 East First South, Salt Lake City 84102.

First Monday—7:00 a.m. to 9:00 a.m. Contact: Jack Tedrow, MD, (801) 363-2024.

FAMILY PRACTICE GRAND ROUNDS

Holy Cross Hospital, 1045 East First South, Salt Lake City 84102.

Every Wednesday—8:00 a.m. to 9:00 a.m. Contact: Thomas Schwenk, MD, (801) 581-8633.

CITYWIDE OB/GYN CLINICAL CONFERENCE

Holy Cross Hospital, 1045 East First South, Salt Lake City 84102.

SPONSORS OF COURSES—ABBREVIATIONS

- AF: Arthritis Foundation, 1174 East 2700 South, Salt Lake City 84117. (801) 466-9389.
- CH: Castleview Hospital (formerly Carbon Hospital), RFD 2, Box 46, Price, UT 84501. (801) 637-4800.
- CWH: Cottonwood Hospital, 5770 South 300 East, Salt Lake City 84101. (801) 262-3461.
- FHP: Family Health Program/Utah, 323 South Sixth East, Salt Lake City 84102. (801) 335-1234. Contact: Kay Schultz for course information.
- HAFB: Hill Air Force Hospital, Hill Air Force Base 84406. (801) 777-1262.
- HCH: Holy Cross Hospital, 1045 East First South, Salt Lake City 84102. (801) 350-4744.
- LDSH: Latter-Day Saints Hospital, 325 8th Avenue, Salt Lake City 84143. (801) 350-1100.
- MDH: McKay-Dee Hospital Center, 3939 Harrison Blvd., Ogden 84409. (801) 399-4141.
- OEH: Rocky Mountain Center for Occupational and Environmental Health, 50 North Medical Drive, Salt Lake City 84132. (801) 581-8719.
- OSS: Ogden Surgical Society, PO Box 9311, Ogden 84409.
- PCMC: Primary Children's Medical Center, 320 12th Ave., Salt Lake City 84103. (801) 363-1221.
- SHCC: Shriners Hospital for Crippled Children, Intermountain Unit, Fairfax Ave. at Virginia St., Salt Lake City 84103. (801) 532-5307.
- SLSC: Salt Lake Surgical Center, 617 East 3900 South, Salt Lake City 84117. (801) 261-3141.
- UAFP: Utah Academy of Family Physicians, 1146 Westminster Ave., Salt Lake City 84105. (801) 466-9478.
- UUMC: University of Utah Medical Center, 50 North Medical Drive, Salt Lake City 84132. (801) 581-2258.
- USMA: Utah State Medical Association, 540 East Fifth South, Salt Lake City 84102. (801) 355-7477.
- UVH: Utah Valley Hospital, 1034 North Fifth West, Provo 84601. (801) 373-7850.
- VAMC: Veterans Administration Medical Center, 500 Foothill Drive, Salt Lake City 84148. (801) 582-1565.

Second Saturday—8:00 a.m. to 9:00 a.m. Contact: Howard Berk, MD, (801) 364-4438.

OB/GYN PATHOLOGY CONFERENCE

Holy Cross Hospital, 1045 East First South, Salt Lake City 84102.

Fourth Monday—8:00 a.m. to 9:00 a.m. Contact: Howard Berk, MD, (801) 364-4438.

MONTHLY OPHTHALMOLOGY FLUORESCEIN ANGIOGRAPHY CONFERENCE

Holy Cross Hospital, 1045 East First South, Salt Lake City 84102.

Fourth Monday—7:30 a.m. to 8:30 a.m. Contact: Roy Goodart, MD, (801) 532-7406 or F. T. Reikhof, MD, (801) 532-7406.

INTERDEPARTMENTAL GRAND ROUNDS

Utah Valley Hospital, Provo, 1034 North Fifth West, Provo 84601.

Contact: Gary Watts, MD, UVH, 1034 North Fifth West, Provo, UT 84601. (801) 373-7850 (Ext. 2143).

* * *

June 18-21—**School on Alcoholism and Other Drug Dependencies** (Sponsor: University of Utah). Monday-Thursday. University Medical Center. 26 hrs. \$300. Contact: James Swenson, MD, (801) 581-7985.

July 15-20—**Summer Update in Clinical Microbiology and Immunology** (Sponsor: University of Utah). Sunday-Friday. Jackson Hole, Wyoming. 23 hrs. \$350. Contact: John Matsen, MD, (801) 581-7480.

July 25—**Cardio-Thoracic Imaging/State of the Art** (Sponsor: University of Utah). Wednesday. Jackson Lake Lodge, Wyoming. Contact: John D. Armstrong, MD, (801) 581-7553.

Note: Dates, times, places and programs are subject to change on occasion. Please check with the sponsoring organization or the Academy for details.

(Continued on Page 1010)

XANAX® Tablets
(alprazolam) ©

CONTRAINDICATIONS

Patients with sensitivity to this drug or other benzodiazepines and in acute narrow angle glaucoma.

WARNINGS

Not of value in psychotic patients. Caution patients against hazardous occupations requiring complete mental alertness and about the simultaneous ingestion of alcohol and other CNS depressant drugs.

Benzodiazepines can cause fetal harm in pregnant women. Warn patients of the potential hazard to the fetus. Avoid during the first trimester.

PRECAUTIONS

General: The dosage of XANAX Tablets should be reduced or withdrawn gradually, since withdrawal seizures have been reported upon abrupt withdrawal. If XANAX is combined with other psychotropics or anticonvulsant drugs, consider drug potentiation. (See Drug Interaction section.) Exercise the usual precautions regarding size of the prescription for depressed or suicidal patients. In elderly and debilitated patients, use the lowest possible dosage. (See Dosage and Administration.) Observe the usual precautions in treating patients with impaired renal or hepatic function.

Information for Patients: Alert patients about: (a) consumption of alcohol and drugs, (b) possible fetal abnormalities, (c) operating machinery or driving, (d) not increasing dose of the drug due to risk of dependence, (e) not stopping the drug abruptly. **Laboratory Tests:** Not ordinarily required in otherwise healthy patients. **Drug Interactions:** Additive CNS depressant effects with other psychotropics, anti-convulsants, antihistamines, ethanol and other CNS depressants. Pharmacokinetic interactions with benzodiazepines have been reported. **Drug/Laboratory Test Interactions:** No consistent pattern for a specific drug or specific test. **Carcinogenesis, Mutagenesis, Impairment of Fertility:** No carcinogenic potential or impairment of fertility in rats. **Pregnancy:** See Warnings. **Nonteratogenic Effects:** The child born of a mother on benzodiazepines may be at some risk for withdrawal symptoms and neonatal flaccidity. **Labor and Delivery:** No established use. **Nursing Mothers:** Benzodiazepines are excreted in human milk. Women on XANAX should not nurse. **Pediatric Use:** Safety and effectiveness in children below the age of 18 have not been established.

ADVERSE REACTIONS

Side effects are generally observed at the beginning of therapy and usually disappear with continued medication. In the usual patient, the most frequent side effects are likely to be an extension of the pharmacological activity of XANAX, e.g., drowsiness or lightheadedness.

Central nervous system: Drowsiness, lightheadedness, depression, headache, confusion, insomnia, nervousness, syncope, dizziness, akathisia, and tiredness/sleepiness.

Gastrointestinal: Dry mouth, constipation, diarrhea, nausea/vomiting, and increased salivation.

Cardiovascular: Tachycardia/palpitations, and hypotension.

Sensory: Blurred vision.

Musculoskeletal: Rigidity and tremor.

Cutaneous: Dermatitis/allergy.

Other side effects: Nasal congestion, weight gain, and weight loss.

In addition, the following adverse events have been reported with the use of anxiolytic benzodiazepines: dystonia, irritability, concentration difficulties, anorexia, loss of coordination, fatigue, sedation, slurred speech, jaundice, musculoskeletal weakness, pruritus, diplopia, dysarthria, changes in libido, menstrual irregularities, incontinence and urinary retention.

Paradoxical reactions such as stimulation, agitation, increased muscle spasticity, sleep disturbances, and hallucinations may occur. Should these occur, discontinue the drug.

During prolonged treatment, periodic blood counts, urinalysis, and blood chemistry analysis are advisable. Minor EEG changes, of unknown significance, have been observed.

DRUG ABUSE AND DEPENDENCE

Physical and Psychological Dependence: Withdrawal symptoms have occurred following abrupt discontinuance of benzodiazepines. Withdrawal seizures have occurred upon rapid decrease or abrupt discontinuation of therapy. In all patients, dosage should be gradually tapered under close supervision. Patients with a history of seizures or epilepsy should not be abruptly withdrawn from XANAX. Addiction-prone individuals should be under careful surveillance. **Controlled Substance Class:** XANAX is a controlled substance and has been assigned to schedule IV.

DOSAGE AND ADMINISTRATION

The usual starting dose is 0.25 to 0.5 mg, t.i.d. Maximum total daily dose is 4 mg. In the elderly or debilitated, the usual starting dose is 0.25 mg, two or three times daily. Reduce dosage gradually when terminating therapy, by no more than one milligram every three days.

CAUTION: FEDERAL LAW PROHIBITS DISPENSING WITHOUT PRESCRIPTION.

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CONTINUING MEDICAL EDUCATION

(Continued from Page 1001)

WASHINGTON

This listing of continuing medical education programs in Washington state is compiled by the Washington State Medical Association. To list Category 1 programs here please send information at least two months in advance to Continuing Medical Education, Washington State Medical Association, 2033 Sixth Avenue, Suite 900, Seattle, WA 98121; or phone (206) 623-4801.

Brochures and Registration Forms are available from the contact person or organization listed at the end of each course or in the list of course sponsors and contact information.

June 15—Medical Problems of the Abdomen. Seattle. Friday. Riverton Hospital. Contact: U/W.

June 15-16—Imaging Techniques and Computers in Radiation Therapy. Seattle. Friday-Saturday. Sheraton. Contact: U/W.

June 15-17—Nutrition Update for Clinical Dietitians. Union. Friday-Sunday. Alderbrook Inn. Contact: U/W.

June 19-20—Pathobiology Immune Glomerular Disease. Seattle. Tuesday-Wednesday. Kane Hall. Contact: U/W.

June 21-22—Stroke: Current Concept. Seattle. Thursday-Friday. 8:30 a.m. to 5:00 p.m. Gould Auditorium. \$150, physicians; \$75, others. 12 hrs. Cat. I. Contact: Charlotte Kennedy, Northwest Hospital, 1550 N. 115th, Seattle 98133. (206) 364-0500, Ext. 1737.

June 22—New Pneumonias. Seattle. Friday. Riverton Hospital. Contact: U/W.

June 23-27—(IDAHO) Ethics at the Edges of Life. Sun Valley. Saturday-Wednesday. Elkhorn. Contact: U/W.

COURSE SPONSORS AND CONTACT INFORMATION

CME HARBORVIEW—Contact: Gayle Splater, Cytology Continuing Education, Dept. of Pathology, Harborview Medical Center, 325 Ninth Avenue, Seattle, WA 98104. (206) 223-5953.

CME PIERCE COUNTY—Contact: Mrs. Maxine Bailey, Executive Director, College of Medical Education, 705 South Ninth, No. 203, Tacoma, WA 98403. (206) 627-7137.

U/W (UNIVERSITY OF WASHINGTON) — Contact: U/W School of Medicine, Div. of CME, SC-50, Seattle, WA 98195. (206) 543-1050.

VMMC (VIRGINIA MASON MEDICAL CENTER)—Contact: Linda Orgel, Division of Continuing Medical Education, Virginia Mason Medical Center, 1100 Ninth Avenue, PO Box 900, Seattle, WA 98101. (206) 223-6898.

June 29—**Sinusitis**. Seattle. Friday. Riverton Hospital. Contact: U/W.

July 4-10—(OREGON) **Medicine and Civilization**. Bend. Wednesday-Tuesday. Inn of the 7th Mountain. Contact: U/W.

July 10-13—(OREGON) **Medicine in Shakespeare's Time**. Ashland. Tuesday-Friday. Contact: U/W.

July 11-13—**Second Annual Conference on Occupational Hazards to Health Care Workers**. Seattle. Wednesday-Friday. Contact: Northwest Center for Occupational Health and Safety. Department of Environmental Health, SC-34, University of Washington, Seattle 98195. (206) 543-1069.

July 22-26—**Annual Summer Meeting 1984. Washington State Academy of Ophthalmology**. Orcas Island. Sunday-Thursday. Rosario Resort. Contact: Patti Smith, WSAO, 2033 Sixth Ave, #900, Seattle 98121. (206) 623-4801.

July 27-29—**Seafair VI Pediatric Anesthesia and Intensive Care**. Seattle. Friday-Sunday. Seattle Sheraton. Contact: Patti Smith, Washington State Society of Anesthesiologists, 2033 Sixth Ave, Suite 900, Seattle 98121. (206) 623-4801.

August 17-23—(OREGON) **Psychiatry for Primary Physicians**. Friday-Thursday. Sunriver Resort, Sunriver. Contact: U/W.

August 29-September 4—(ALBERTA) **Scientific Aspects of the Art of Dance**. Banff Centre, Banff, Alberta. Contact: U/W.

September 5-7—**Recent Advances in Obesity**. Seattle. Wednesday-Friday. Health Sciences Center. Contact: U/W.

September 6-7—**Symposium on Breast Disease**. Seattle. Thursday-Friday. Sheraton. Contact: U/W.

September 7-8—**Nutrition and Bone Metabolism**. Seattle. Friday-Saturday. Health Sciences Center. Contact: U/W.

September 8-15—(ALBERTA) **Neurosurgery of Pain**. Banff. Saturday-Saturday. Banff Park Lodge. Contact: U/W.

September 10-14—**Advances in Family Practice**. Seattle. Monday-Friday. Health Sciences Center. Contact: U/W.

September 10-14—**Advances in Family Practice ACLS**. Seattle. Monday-Friday. Health Sciences Center. Contact: U/W.

September 12-14—**Dermatologic Therapeutic Hotline**. Orcas Island. Wednesday-Friday. Rosario Resort. Contact: Paul H. Jacobs, MD, Department of Dermatology, Stanford University Medical Center, Stanford, CA 94305. (415) 497-7854.

September 26—**Advances in Lab Medicine**. Seattle. Wednesday. Health Sciences Center. Contact: U/W.

WYOMING

June 24-28—**Wyoming Medical Society Annual Meeting**. Jackson Lake Lodge, Moran. Sunday-Thursday. Contact: WMS, PO Drawer 4009, Cheyenne 82003-4009. (307) 634-2424.

July 4-6—**Stress and the Heart: Diagnosis, Prevention Management and Rehabilitation**. American College of Cardiology and the Heart-Lung Center of St. Luke's Hospital of Phoenix at Jackson Lake Lodge, Moran. 13 hrs. \$240, ACC members; \$295, nonmembers. Contact: ACC, Extramural Programs Dept., 9111 Old Georgetown Rd., Bethesda, MD 20814. (301) 897-5400.

July 15-20—**Summer Update in Clinical Microbiology and Immunology**. University of Utah at Jackson Hole. Sunday-Friday. 23 hrs. \$350. Contact: John Matsen, MD, (801) 581-7480.

July 25—**Cardio-Thoracic Imaging/State of the Art**. University of Utah at Jackson Lake Lodge. Wednesday. Contact: John D. Armstrong, MD, (801) 581-7553.

September 9-15—**Effective Management of Common Sports Injuries: An EPIC Medical Expedition**. Bicycle touring through Yellowstone and Grand Teton National Parks. One week. Sponsors: American Institute of Primary Care Medicine and University of Arizona College of Medicine. 24 hrs. Contact: Richard F. Paris, MD, PO Box 209, Sun Valley, ID 83353. (208) 788-4995.

Books Received

Books received by THE WESTERN JOURNAL OF MEDICINE are acknowledged in this column. Selections will be made for more extensive review in the interest of readers as space permits.

NEUROLOGIC EMERGENCIES—Edited by Michael P. Earnest, MD, Associate Professor of Neurology and Preventive Medicine, University of Colorado Health Sciences Center, and Director, Department of Neurology, Denver General Hospital. Churchill Livingstone, Inc., 1560 Broadway, New York, NY 10036, 1983. 516 pages, \$55.00.

NEUROLOGY FOR NON-NEUROLOGISTS—Edited by Wigbert C. Wiederholt, MD, Department of Neurosciences, School of Medicine, University of California, San Diego, La Jolla, Calif. Academic Press, Inc., 111 Fifth Ave., New York, NY 10003, 1982. 400 pages, \$37.50.

NEUROPEPTIDES: BASIC AND CLINICAL ASPECTS—PROCEEDINGS OF THE ELEVENTH PFIZER INTERNATIONAL SYMPOSIUM, SEPTEMBER 1981—Edited by George Fink, MD, MA, DPhil, Director of the MRC Brain Metabolism Unit, University Department of Pharmacology and The Thomas Clouston Clinic, Royal Edinburgh Hospital, Edinburgh; and Lawrence J. Whalley, MD, MRCPsych, Clinical Scientist, MRC Brain Metabolism Unit, Edinburgh, and Honorary Consultant Psychiatrist, The Thomas Clouston Clinic, Royal Edinburgh Hospital, Edinburgh. Churchill Livingstone, Inc., 1560 Broadway, New York, NY 10036, 1982. 277 pages, \$59.00.

NMR: A PRIMER FOR MEDICAL IMAGING—Gerald L. Wolf, PhD, MD, Associate Chief of Staff/Research, VA Medical Center, Philadelphia, Professor, Departments of Radiology and Pharmacology, University of Pennsylvania, Philadelphia; and Carol Popp, MD, PhD, Department of Radiology, University of Pennsylvania, Resident, Graduate Hospital, Philadelphia. Slack Incorporated, 6900 Grove Road, Thorofare, NJ 08086, 1984. 86 pages, \$19.50 (paperback).

NOW THAT YOU'VE INCORPORATED: Coping with Changing Tax Laws—4th Edition—Sheldon H. Gorlick, JD, Medical Economics Books, 680 Kinderkamack Road, Oradell, NJ 07649, 1983. 152 pages, \$22.95.

NUTRITION AND HEART DISEASE—Vol. 6 in Contemporary Issues in Clinical Nutrition—Edited by Elaine B. Feldman, MD, Professor of Medicine; Chief, Section of Nutrition, and Director, Clinical Nutrition Research Unit and Georgia Institute of Human Nutrition, Medical College of Georgia, Augusta. Churchill Livingstone Inc., 1560 Broadway, New York, NY 10036, 1983. 211 pages, \$35.00.

NUTRITION IN HEMATOLOGY—Volume 5 in Contemporary Issues in Clinical Nutrition—Edited by John Lindenbaum, MD, Professor of Medicine, Columbia University College of Physicians and Surgeons, and Associate Director, Medical Service, Harlem Hospital Center, New York. Churchill Livingstone, Inc., 1560 Broadway, New York, NY 10036, 1983. 320 pages, \$37.50.

THE OFFICIAL M. D. HANDBOOK—Anne Eva Ricks, MD. The New American Library, Inc., 1633 Broadway, New York, NY 10019, 1983. 161 pages, \$4.95 (paperback).

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